USDA United States Department of Agriculture | Forest Service | Northeastern Area State and Private Forestry | 180 Canfield Street Morgantown, WV 26505- 3101

File Code: 3460
Date: January 21, 2000

Mr. Ron Waller
U.S. Army Corps of Engineers
Louisville District
P.O. Box 59
Attn: ORLOR-R/Ron Waller
Louisville, KY 40201

Dear Mr. Waller:

Summaries of the 1983-1999 gypsy moth trapping program conducted at four Army Corps of Engineers sites within the Louisville District are enclosed for your information (Table 1). Also enclosed are maps showing the trap location at each site (Figure 1-4). The purpose of the trapping program is to monitor low-level gypsy moth populations and to help determine when more intensive survey methods should be employed.

All four projects trapped male gypsy moths this past trapping season. This is the first time that West Fork Lake and William H. Harsha Lake had positive trap results, 10 moths and 14 moths respectively. A total of 6 moths were trapped at Caesar Creek Lake. Clarence J. Brown Reservoir trapped 25 moths.

Based on these results, gypsy moth populations will not impact the forest resources at these Corps sites in the immediate future. However, as the number of trapped moths increases, it becomes important that personnel at these sites look for other gypsy moth life stages such as larvae, pupae and/or egg masses while performing their normal duties. For a list of publications that can be helpful with the identification of these life stages, please visit our GM Digest web page at: http://fhpr8.srs.fs.fed.us/wv/gmdigest/gmdigest.html.

I have also enclosed information regarding the gypsy moth Slow the Spread project. The goal of the STS project is to decrease the rate of gypsy moth spread, and thus, delaying the damage and management costs associated with the infestation of new areas. The STS trapping program deploys traps in the area around these Corps sites (Figure 5 and 6). The 1999 trapping results from the STS program shows that there has been an increase in male gypsy moth catches across the state of Ohio (Figure 7 and 8). More information about STS can be found at the following web page: http://www.ento.vt.edu/sts/. If you have any questions regarding the STS program, feel free to contact John Omer, STS Coordinator, Morgantown Field Office, USDA Forest Service at (304) 285-1554 or (304) 276-8873.

We would like to continue the trapping program at the same intensity in 2000. Thank you for your continued cooperation and if you have any questions regarding these results, please call me at (304) 285-1556 or (301) 509-6633.

Sincerely,

Karen D. Felton

KAREN D. FELTON
Biologist
Forest Health Protection

Enclosures

cc: AO
Dave Johnstone, Caesar Creek Lake - next add Steve Lee to receive a copy of this report
Brian Menker, Clarence J. Brown Dam
Steve Schulte, West Fork Lake
David Zagurney, William Harsha Lake
Allison Marcum, OHDA

KDF/blm

Steve Lee
Miami River Area
4020 North Clarkville Rd
Waynesville, OH 45068

513-897-1050

Figure 1.- - Summary of the 1983-1999 gypsy moth trapping results, Louisville District, U.S. Army Corps of Engineers

Caesar Creek Lake (Warren and Clinton Counties, OH)

Year	Number of Traps	Total Moths Caught	Positive Catch Trap Number
1983	15	0	- -
1984	15	0	- -
1985	19	0	- -
1986	19	0	- -
1987	19	0	- -
1988	19	0	- -
1989	19	0	- -
1990	19	0	- -
1991	15	0	- -
1992	15	1	# 2
1993	15	0	- -
1994	14	0	- -
1995	14	1	# 11
1996	15	0	- -
1997	14	1	# 5
1998	13	0	--
1999	14	6	#1, 5, 8, 12

Clarence J. Brown (Clark County, OH)

Year	Number of Traps	Total Moths Caught	Positive Catch Trap Number
1983	10	0	- -
1984	10	0	- -
1985	10	0	- -
1986	10	0	- -
1987	10	0	- -
1988	10	0	- -
1989	10	0	- -
1990	10	4	# 2, 3, 4
1991	10	0	- -
1992	10	0	- -
1993	10	1	# 9
1994	13	0	- -
1995	13	1	# 11
1996	13	0	- -
1997	13	23	# 2-5, 7, 10-13
1998	13	7	# 3, 9, 11, 13
1999	13	25	All except # 2, 3

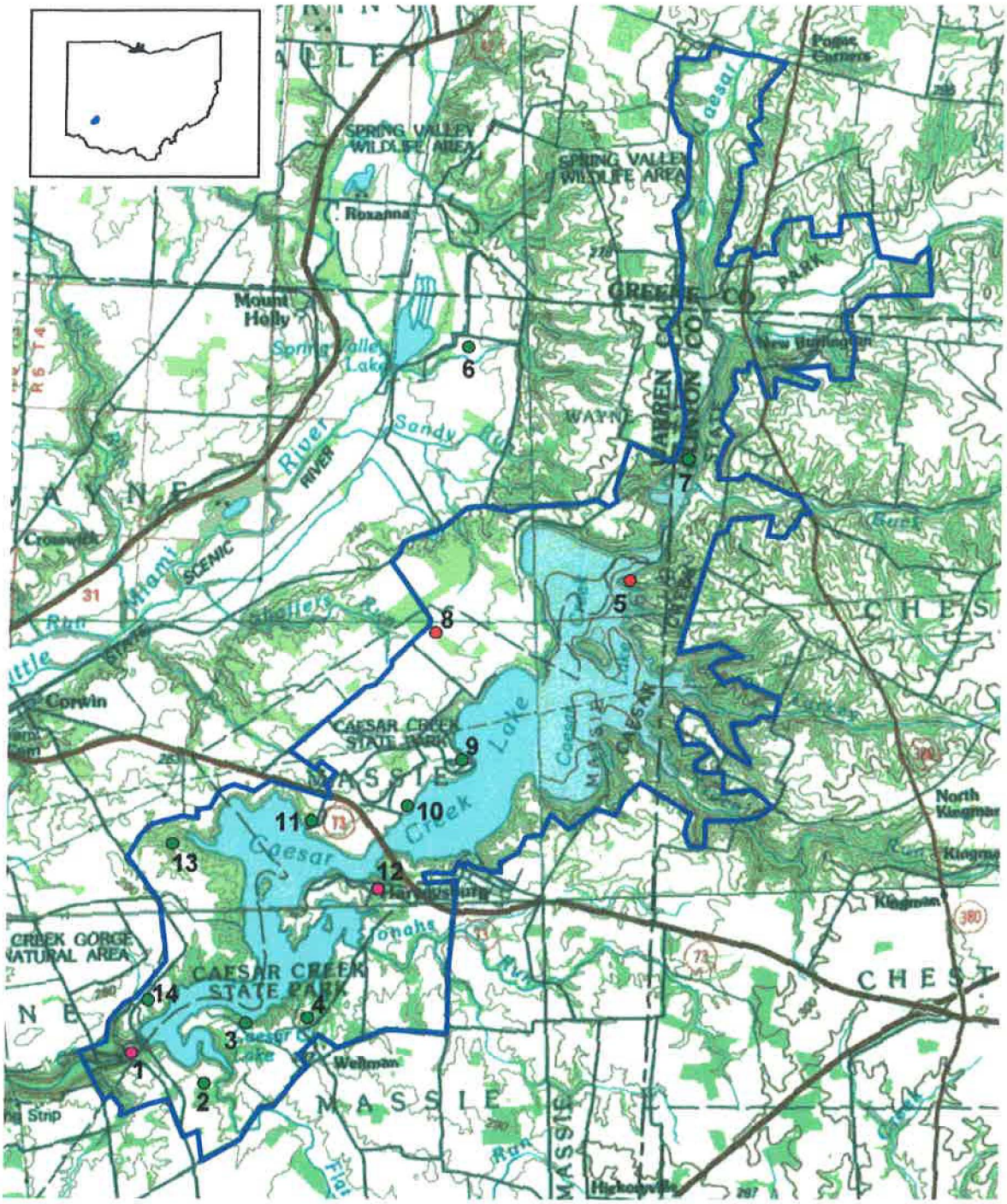
West Fork Lake (Hamilton County, OH)

Year	Number of Traps	Total Moths Caught	Positive Catch Trap Number
1983	10	0	- -
1984	10	0	- -
1985	10	0	- -
1986	10	0	- -
1987	10	0	- -
1988	10	0	- -
1989	10	0	- -
1990	10	0	- -
1991	10	0	- -
1992	10	0	- -
1993	10	0	- -
1994	10	0	- -
1995	10	0	- -
1996	10	0	- -
1997	10	0	- -
1998	10	0	--
1999	8	10	All except # 7

William H. Harsha Lake (Clermont County, OH)

Year	Number of Traps	Total Moths Caught	Positive Catch Trap Number
1983	15	0	- -
1984	15	0	- -
1985	15	0	- -
1986	15	0	- -
1987	15	0	- -
1988	15	0	- -
1989	15	0	- -
1990	15	0	- -
1991	11	0	- -
1992	11	0	- -
1993	11	0	- -
1994	11	0	- -
1995	12	0	- -
1996	12	0	- -
1997	12	0	- -
1998	12	0	--
1999	12	14	# 1, 2, 3, 5, 7, 11, 12

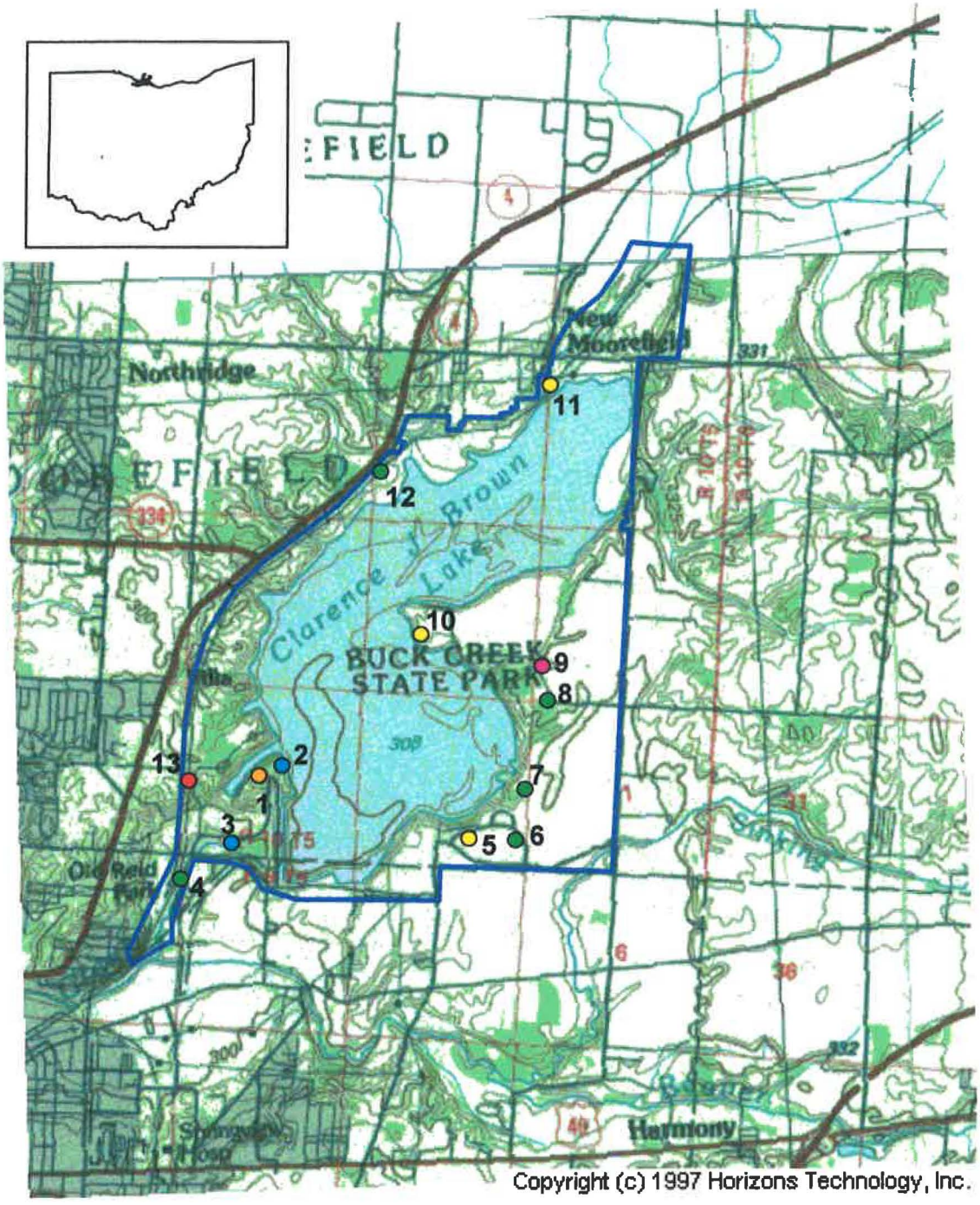
Figure 1. 1999 Gypsy Moth Trapping Results at Caesar Creek Lake.



USDA Forest Service, State & Private Forestry, Morgantown, WV

12/99 KDF

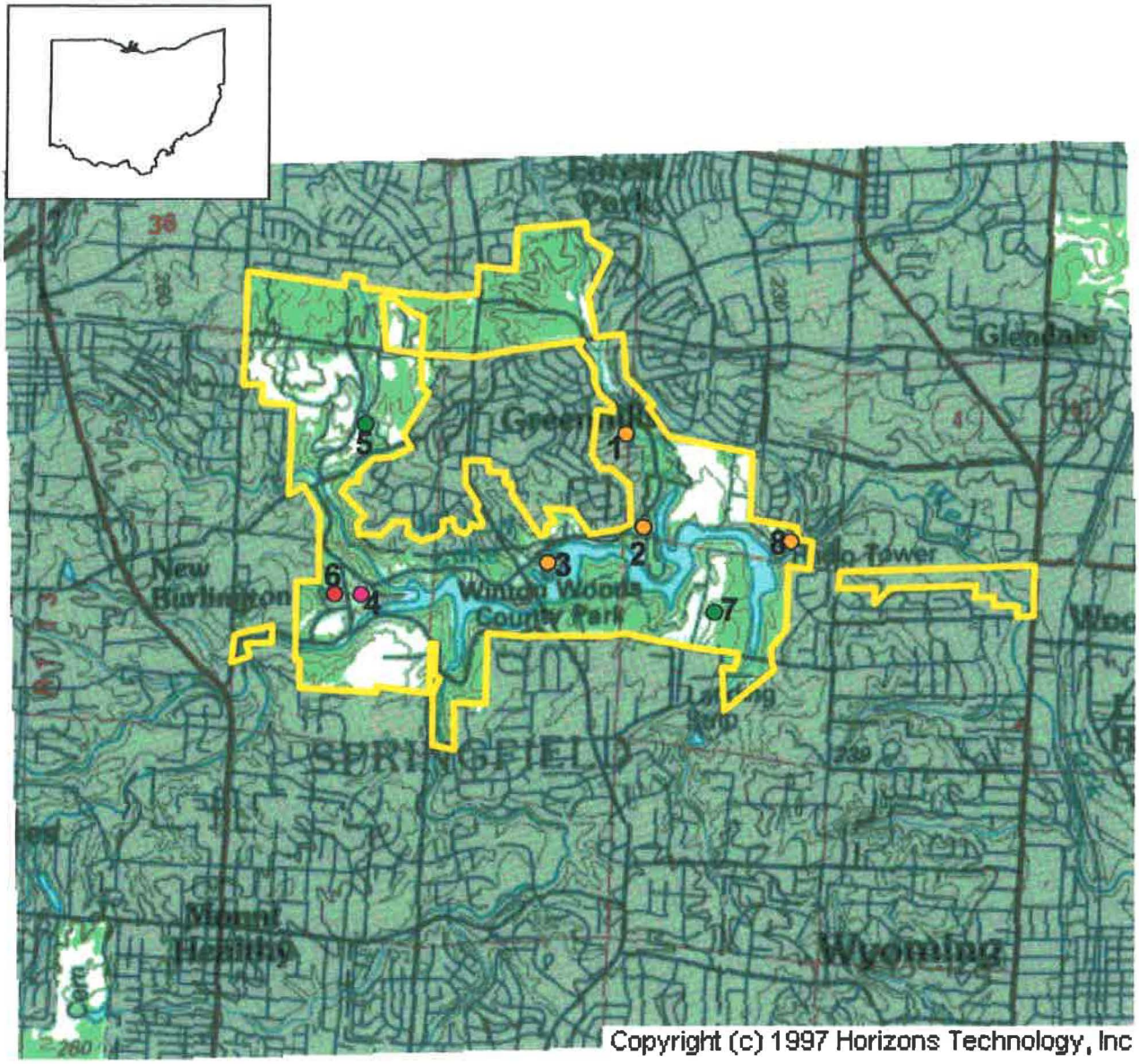
Figure 2. 1999 Gypsy Moth Trapping Results at Clarence J. Brown Reservoir.



USDA Forest Service, State & Private Forestry, Morgantown, WV

12/99 KDF

Figure 3. 1999 Gypsy Moth Trapping Results at West Fork Lake.



N

0.5 0 0.5 1 1.5 2 Miles

LEGEND

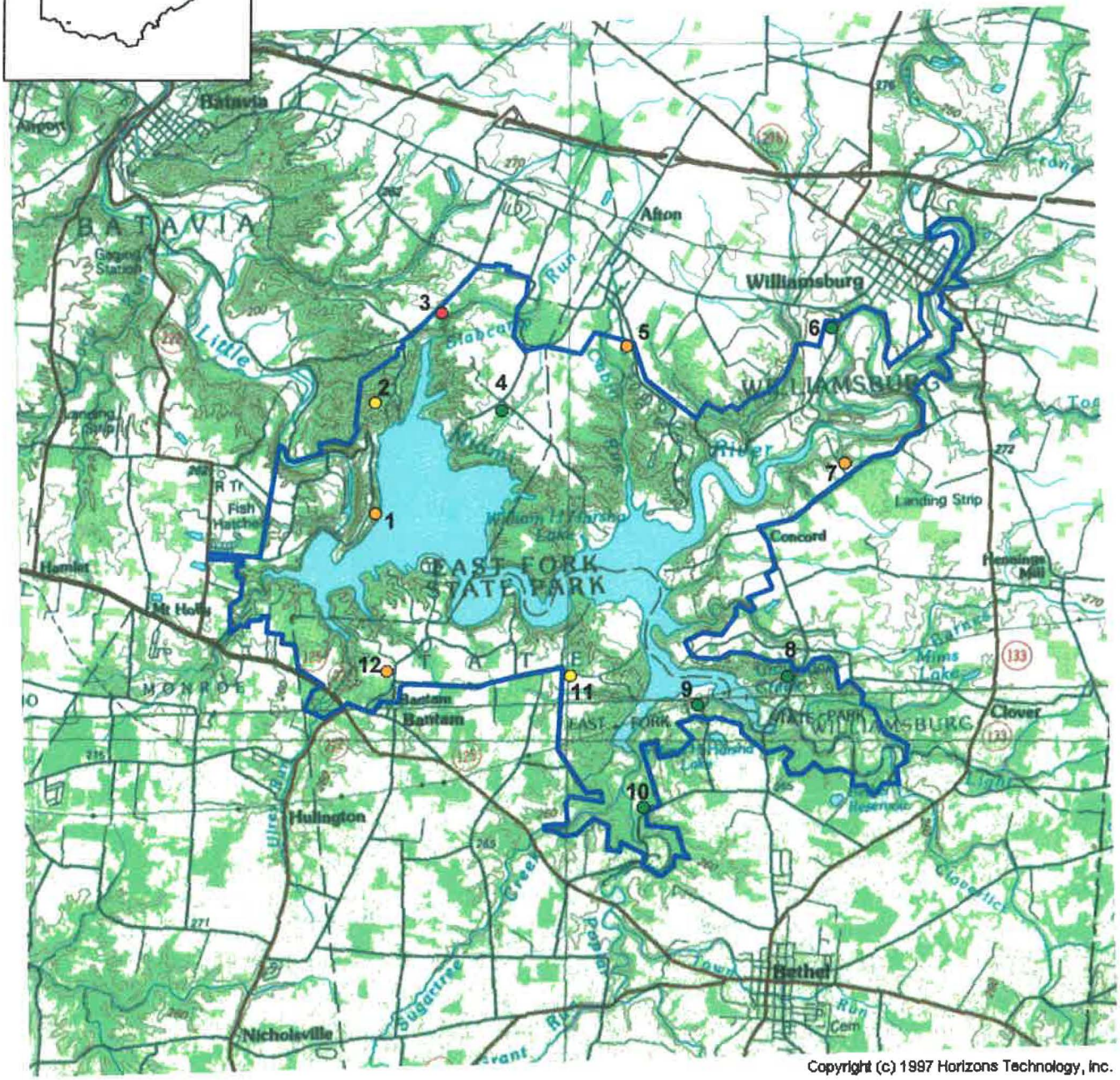
Trap Locations
- 0 moths trapped
- 1 moth trapped
- 2 moths trapped
- 4 moths trapped

Approximate Project Boundary

USDA Forest Service, State & Private Forestry, Morgantown, WV

1/00 KDF

Figure 4. 1999 Gypsy Moth Trapping Results at William H. Harsha Lake.



Copyright (c) 1997 Horizons Technology, Inc.

0.5 0 0.5 1 1.5 2 Miles

N

LEGEND

Trap Locations
- 0 moths trapped
- 1 moth trapped
- 2 moths trapped
- 4 moths trapped

Approximate Project Boundary

USDA Forest Service. State & Private Forestry, Morgantown, WV

1/00 KDF

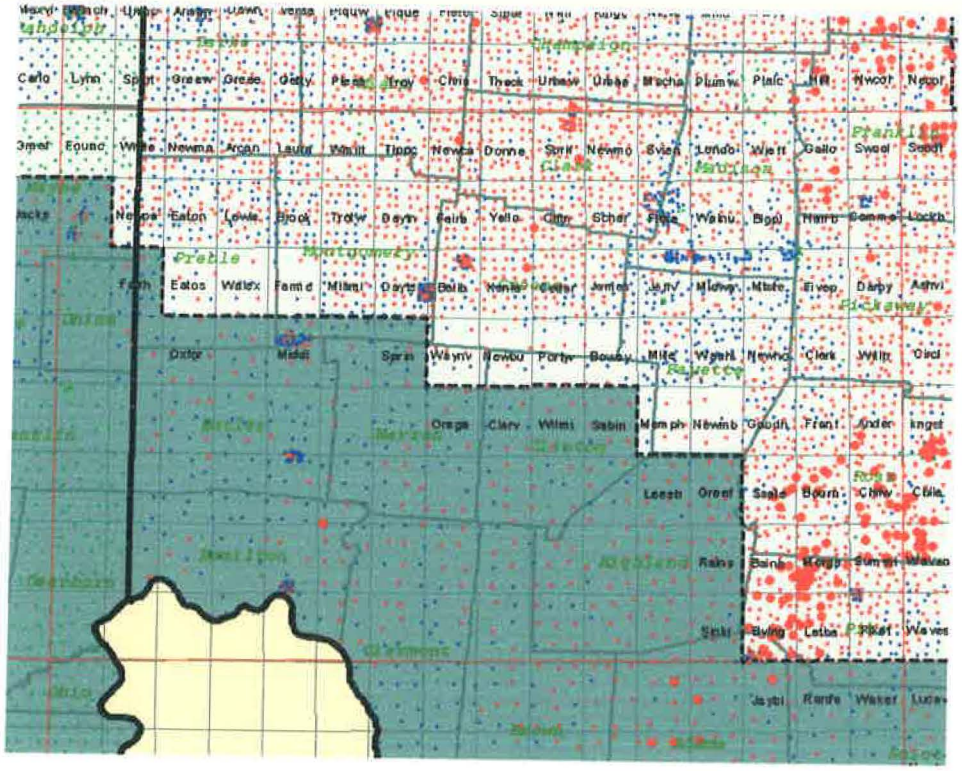
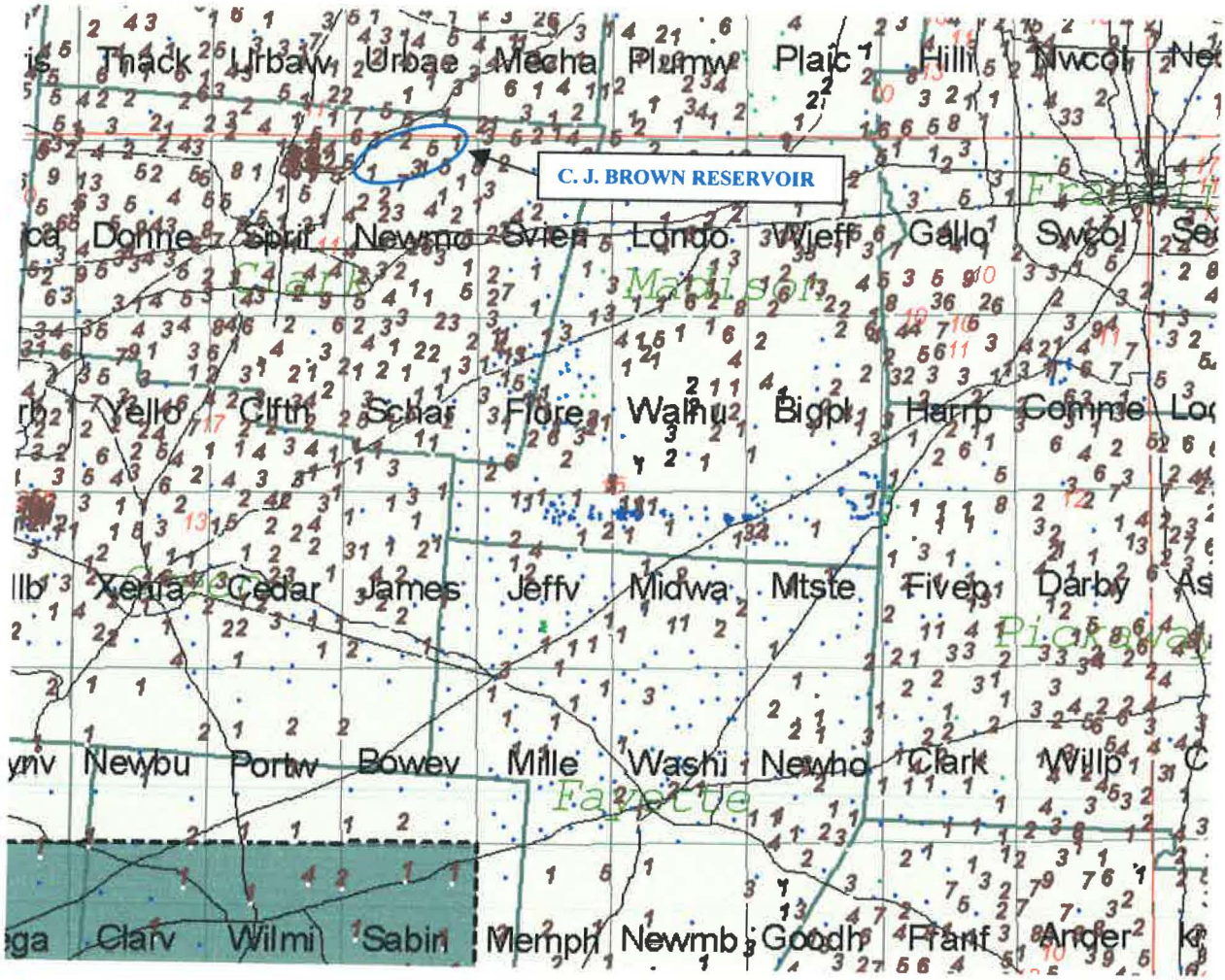


Figure 5.
1999 Gypsy Moth Slow The Spread Trapping Activities as of 5pm 10/02/99

- Action Area
- Monitoring Area
- BT
- DIM
- NPV
- PF
- Positive Catch
- Zero Catch
- Placed, Not Yet Checked

Virginia Gypsy Moth
Information Systems Lab
Virginia Tech
Blacksburg, VA

http://www.ento.vt.edu/STS/



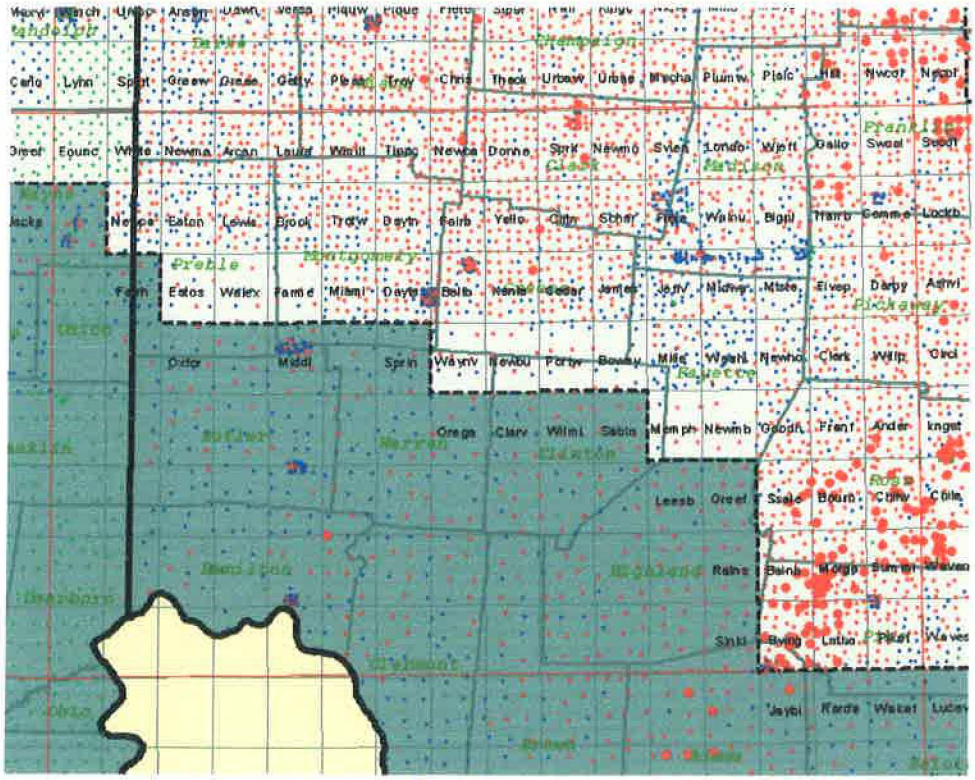


Figure 6.
1999 Gypsy Moth Slow The Spread Trapping Activities as of 5pm 10/02/99

- Action Area
- Monitoring Area
- BT
- DIM
- NPV
- PF
- Positive Catch
- Zero Catch
- Placed, Not Yet Checked

Virginia Gypsy Moth
Information Systems Lab
Virginia Tech
Blacksburg, VA
http://www.ento.vt.edu/STS/

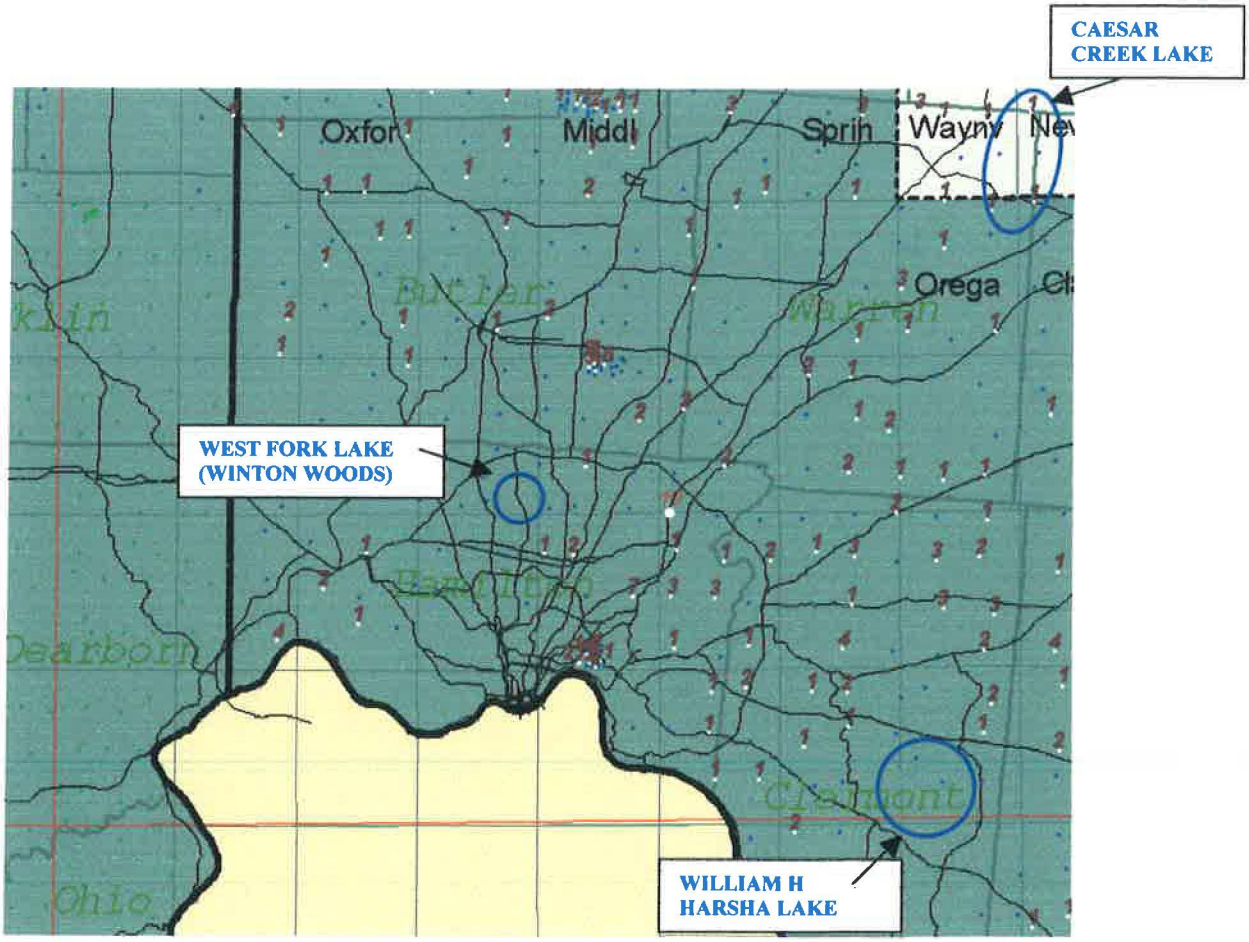
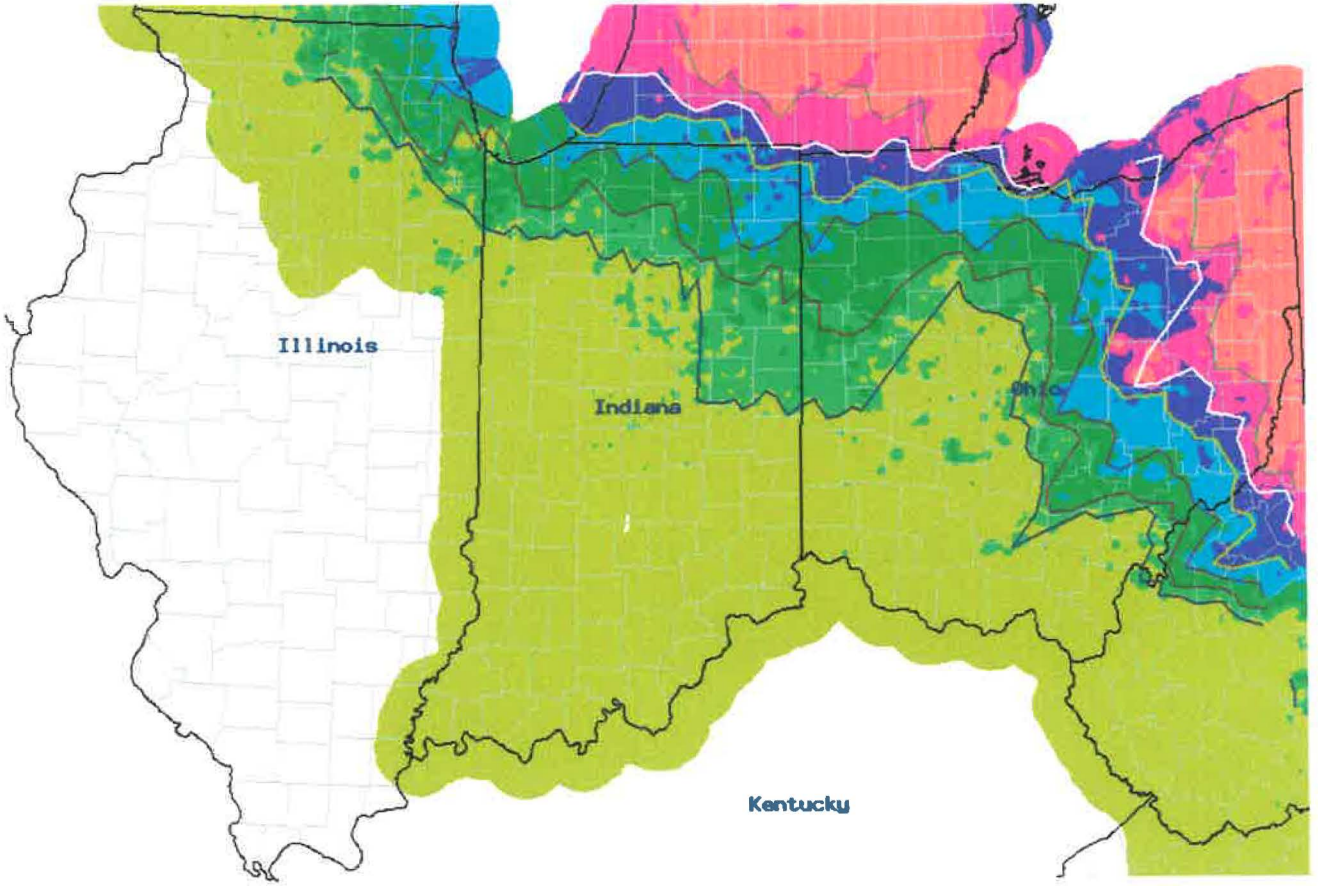


Figure 7.
1998 Gypsy Moth Slow The Spread Trapping Activities Showing the Gypsy Moth Distribution in Ohio, Indiana, and Illinois



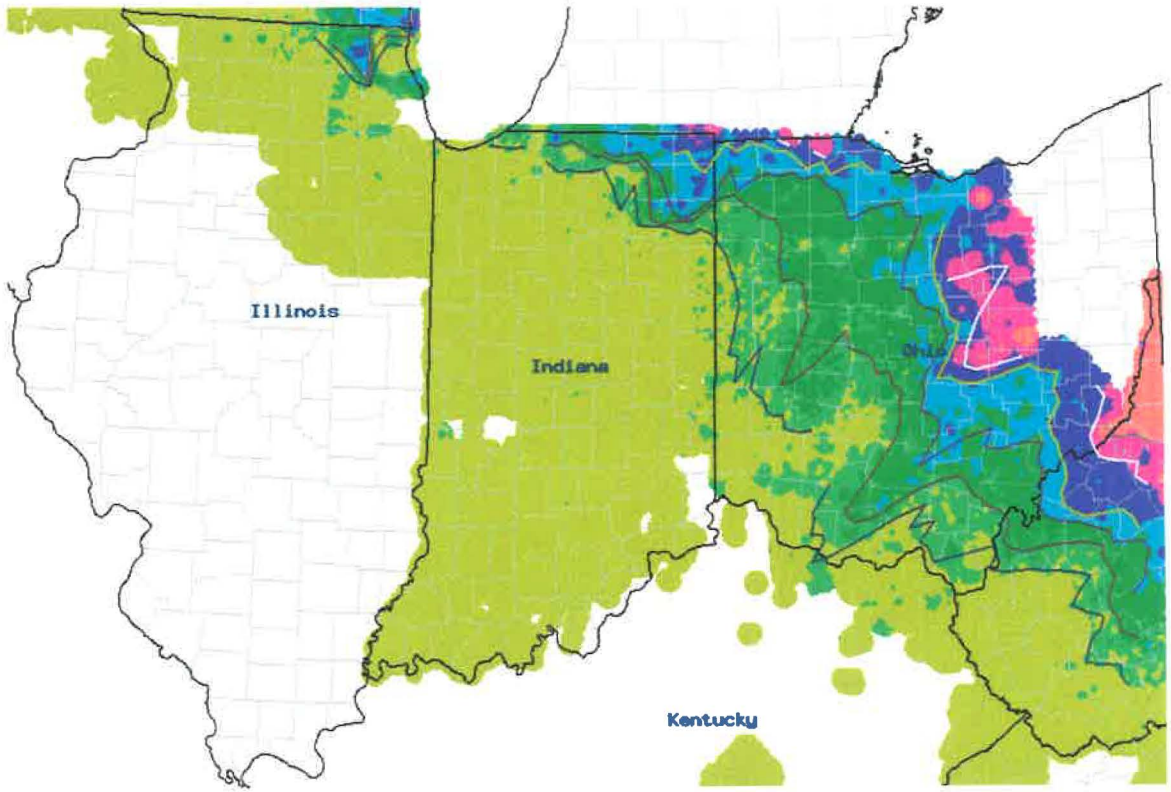
LEGEND

Moth counts in traps
- <1
- 1-3
- 3-10
- 10-30
- 30-100
- 100-300
- ≥300

Population boundaries
- 1-moth line
- 3-moth line
- 10-moth line
- 30-moth line
- 100-moth line
- 300-moth line

Source:
Virginia Gypsy Moth
Information Systems Lab
Virginia Tech
Blacksburg, VA
http://www.ento.vt.edu/STS/

Figure 8.
1999 Gypsy Moth Slow The Spread Trapping Activities Showing the Gypsy Moth Distribution in Ohio, Indiana, and Illinois.



LEGEND

Moth counts in traps	Population boundaries
<1	1-moth line
1-3	3-moth line
3-10	10-moth line
10-30	30-moth line
30-100	100-moth line
100-300	300-moth line
≥300	

Source:
Virginia Gypsy Moth
Information Systems Lab
Virginia Tech
Blacksburg, VA
http://www.ento.vt.edu/STS/